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L17 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:102645 HCAPLUS

DOCUMENT NUMBER: 128:226254

TITLE: Proteasome inhibitors for prevention of nerve cell degeneration and apoptosis

INVENTOR(S): Kojima, Shinichi; Ito, Akira

PATENT ASSIGNEE(S): Sumitomo Pharmaceuticals Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

INT. PATENT CLASSIF.:

MAIN: A61K-045/00

SECONDARY: A61K-038/00; C07K-005/068; C07K-005/083; C07K-005/09; C12P-021/02; C07K-005/062; C12R-001/645

CLASSIFICATION: 1-11 (Pharmacology)

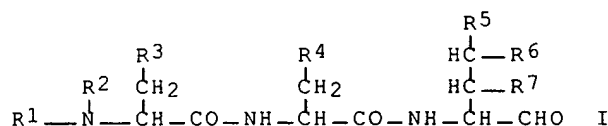
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP--10036289	A2	19980210	1996JP-0214208	19960724 <--

OTHER SOURCE(S): MARPAT 128:226254

GRAPHIC IMAGE:



ABSTRACT:

Proteasome inhibitors (I; R1 = acyl, amino acid residue or protective group; R2 = H, -(CH2)2-, or linkage with R3; R3 = alkyl, carbamoyl, or protected carboxymethyl; R4 = H, alkyl, allyl, carbamoylmethyl; R5, R6, R7 = H, alkyl) e.g. lactacystin, .beta.-lactone-type lactacystin, or descarboxylactacystin are claimed for prevention of nerve cell degeneration and apoptosis. from trauma, surgery, malnutrition, diabetes mellitus, nervous diseases, tumors, or drug toxicity.

SUPPL. TERM: proteasome inhibitor nerve disease apoptosis  
INDEX TERM: Alzheimer's disease  
Antitumor agents  
Apoptosis  
Diabetes mellitus  
Diabetic neuropathy  
Diabetic retinopathy  
Drug toxicity  
Eye diseases  
Malnutrition  
Nerve degeneration  
Nervous system diseases  
Parkinson's disease  
Surgery  
Trauma  
(proteasome inhibitors for prevention of nerve cell  
degeneration and apoptosis)  
INDEX TERM: 140879-24-9, Organelle, proteasome  
ROLE: BPR (Biological process); BIOL (Biological study);  
PROC (Process)  
(inhibitors; proteasome inhibitors for prevention of  
nerve cell degeneration and apoptosis)  
INDEX TERM: 204638-15-3P 204638-16-4P  
ROLE: BAC (Biological activity or effector, except adverse);  
SPN (Synthetic preparation); THU (Therapeutic use); BIOL  
(Biological study); PREP (Preparation); USES (Uses)  
(proteasome inhibitors for prevention of nerve cell  
degeneration and apoptosis)  
INDEX TERM: 133343-34-7, Lactacystin 133407-82-6 144830-87-5  
204638-17-5  
ROLE: BAC (Biological activity or effector, except adverse);  
THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(proteasome inhibitors for prevention of nerve cell  
degeneration and apoptosis)